



an Open Access Journal by MDPI

Nanofluidics: Interfacial Transport Phenomena

Guest Editors:

Prof. Dr. Mohamed Eid

Department of Mathematics, Faculty of Science, New Valley University, Al-Kharga, Al-Wadi Al-Gadid 72511, Egypt

Dr. Wasim Jamshed

Department of Mathematics, Capital University of Science and Technology (CUST), Islamabad 44000, Pakistan

Deadline for manuscript submissions: closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue is intended to evaluate the present stateof-the-art phenomena of nanofluidics transport. Due to nanofluidics' complicated conduct, basic and applied investigations are welcome to be carried out in nanofluidics. Papers that focus on nanofluidics transport phenomena across a wide range of interdisciplinary research and development applications are also invited.

In particular, the topic of interest includes but is not limited to

- Non-Newtonian nanofluidics flow;
- Thermophysical properties;
- Magnetic nanosolid particles;
- Heat transfer in nanofluidics;
- Nanofluidics in solar collectors and solar aircraft;
- Applications of nanofluidics;
- Hybrid nanofluidics;
- Shape and size of nanosolid particle effects.









an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. Coatings is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers on the hottest topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec,

CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/coatings coatings@mdpi.com X@Coatings_MDPI